



TYPICAL RAILING ELEVATION
 LOOKING AT FACE OF RAILING FROM CENTERLINE OF ROAD
 BOTH SIDES TYPICAL

BILL OF MATERIAL

Qty	mk	Description	Spec.
100 LF		ITEM 525.33 BRIDGE RAILING, GALVANIZED, 2 RAIL BOX BEAM	
14		BRIDGE RAILING POST W6 x 25 x 2'-2.375" OAH WITH 1 x 10 x 14 BASE PLATE (GLV)	A709 gr 50
2		SPLICE TUBE (FOR 8X4 RAIL) HSS 7 x 3 x 3/8 x 1'-8.000" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
2		SPLICE TUBE (FOR 4X4 RAIL) HSS 3 x 3 x 5/16 x 1'-8.000" OAL w/ TAPPED HOLES & 2 WELDED NUTS (GLV)	A500 gr B
2	B1	RAIL TUBE HSS 8 x 4 x 5/16 x 23 ft - 0.5 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
2	B2	RAIL TUBE HSS 8 x 4 x 5/16 x 26 ft - 1 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
2	B1	RAIL TUBE HSS 4 x 4 x 1/4 x 23 ft - 0.5 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
2	B2	RAIL TUBE HSS 4 x 4 x 1/4 x 26 ft - 1 in OAL - FIX splice 1 end, EXP splice 1 end (GLV)	A500 gr B
14		ANCHOR SPACER PLATE PL 0.375 x 13.000 x 9.375	A709 gr 36
56		ANCHOR STUD DBL END PART THREAD - 1" DIA x 12.000 w/ 2.250" THD EACH END (GLV)	A449
112		HEAVY HEX NUT 1" (GLV)	A563 DH
56		ROUND WASHER (SAE) - 1" DIA SMALL (GLV)	F436
56		JAM NUT 1" (GALV)	A563 DH
56		ROUND HEAD POST BOLT slot or wrench head - no shoulder 3/4" DIA x 6" LG. FULL BODY (GLV)	A449 / A325
56		LOCK NUT 3/4" (GLV)	A563 DH
56		ROUND WASHER (SAE) 3/4" (GLV)	F436
16		HEX HEAD BOLT 5/8" DIA x 1.75" LG. (GLV)	A325
16		ROUND WASHER (SAE) 5/8" (GLV)	F436
14		BEARING PAD 0.125" THICK x 10.000 x 14.000 (NEOPRENE 80 duro +/-10)	aashto M251

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT APPROVED AS NOTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND LOG INCHES OF CONSTRUCTION, COORDINATING THEIR WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING THEIR WORK IN A SAFE AND SATISFACTORY MANNER.

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Job Number: 120174
 Reviewed by: AEG
 Date: 05/14/2014

HIGHWAY SAFETY CORP
 Glastonbury, CT
 860-633-9445

ITEM 525.33 BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM (S-360A)
 ITEM 621.72 GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM (S-360B)
 BRO 1449(S1)
 ROARING BROOK ROAD (TH2) BRIDGE #8
 TOWN OF BARTON, ORLEANS COUNTY VT

CERTIFIED FABRICATOR

ORIGINAL CONTRACTOR: 2045
 SUB CONTRACTOR: VT REC
 DATE: 04-22-15
 SCALE: NONE
 SIZE: D

No.	Remarks	Date
0	Initial submittal	4/24/15